

# Package ‘flexlsx’

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**Type** Package

**Title** Exporting 'flextable' to 'xlsx' Files

**Version** 1.0.0

**Description** Exports 'flextable' objects to 'xlsx' files,  
utilizing functionalities provided by 'flextable' and 'openxlsx2'.

**License** MIT + file LICENSE

**Encoding** UTF-8

**Imports** dplyr (>= 1.1.1), grDevices, openxlsx2 (>= 1.23), purrr, Rcpp,  
rlang, stringi, tibble, tidyr (>= 1.0.0)

**Suggests** covr, gtsummary, flextable (>= 0.9.11), testthat (>= 3.0.0),  
officer

**Depends** R (>= 4.1.0)

**RoxygenNote** 7.3.2

**Config/testthat/edition** 3

**URL** <https://github.com/pteridin/flexlsx>

**BugReports** <https://github.com/pteridin/flexlsx/issues>

**LinkingTo** Rcpp

**NeedsCompilation** yes

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**Repository** CRAN

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ftpart\_to\_style\_tibble

*Converts a flextable-part to a tibble styles*

---

## Description

**[Experimental]**

**[Experimental]**

## Usage

```
ftpart_to_style_tibble(ft_part, part = c("header", "body", "footer"))
```

## Arguments

ft\_part            the part of the flextable to extract the style from  
 part                the name of the part

## Value

a [tibble](#)

---

ft\_to\_style\_tibble      *Converts a flextable to a tibble with style information*

---

## Description

**[Experimental]**

## Usage

```
ft_to_style_tibble(  
  ft,  
  offset_rows = 0L,  
  offset_cols = 0L,  
  offset_caption_rows = 0L  
)
```

## Arguments

ft                    a [flextable](#)  
offset\_rows          offsets the start-row  
offset\_cols          offsets the start-columns  
offset\_caption\_rows      number of rows to offset the caption by

## Value

a [tibble](#)

---

ft\_to\_xlsx\_border      *Determines the border style*

---

## Description

**[Experimental]**

## Usage

```
ft_to_xlsx_border(border_color, border_width, border_style)
```

## Arguments

border\_color      the color of the border  
border\_width      a numeric vector determining the border-width  
border\_style      the flextable style name of the border

**Details**

openxlsx2/Excel does handle borders differently than flextable. This function maps the flextable border styles to the Excel border styles.

**Value**

a factor of xlsx border styles

---

get_dim_colwise	<i>Groups each row with same style each column</i>
-----------------	----------------------------------------------------

---

**Description**

**[Experimental]**

**Usage**

```
get_dim_colwise(df_rows)
```

**Arguments**

df\_rows [tibble](#) of row-wise aggregates style

**Value**

[tibble](#) of column-wise aggregates style

---

get_dim_ranges	<i>Retrieves dims of same style rows within same column</i>
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---

**Description**

**[Experimental]**

**Usage**

```
get_dim_ranges(df_x)
```

**Arguments**

df\_x styling information incl. col\_id & row\_id

**Value**

merged styles as a [tibble](#)

---

get_dim_rowwise	<i>Groups each column with same style each row</i>
-----------------	----------------------------------------------------

---

**Description****[Experimental]****Usage**

```
get_dim_rowwise(df_x, df_style_hashed)
```

**Arguments**

df\_x                    styling information incl. col\_id & row\_id  
df\_style\_hashed        [tibble](#) of hashed style information

**Value**

[tibble](#) of row-wise aggregates style information

---

handle_null_border	<i>Where there is no border return NULL</i>
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---

**Description****[Experimental]****Usage**

```
handle_null_border(border_style)
```

**Arguments**

border\_style        the openxlsx2 style of the border

**Value**

border\_style or NULL

---

merge_resolve_type	<i>Determine problematic merges</i>
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---

**Description**

Determine problematic merges

**Usage**

```
merge_resolve_type(df_to_merge)
```

**Arguments**

df\_to\_merge      The data.frame containing information about the cells to merge

**Value**

df\_to\_merge is extended by is\_encapsulated and is\_need\_resolve

---

prepare_color	<i>Prepares the color for content style</i>
---------------	---------------------------------------------

---

**Description**

Converts a color name to the hexadecimal RGB-value Removes "transparent" color

**Usage**

```
prepare_color(color_name)
```

**Arguments**

color\_name      The name of the color

**Value**

The hexadecimal RGB-value

---

style_to_hash	<i>Retrieves hashed style information</i>
---------------	-------------------------------------------

---

**Description****[Experimental]**

Converts each style to an individual integer hash for easy comparison and aggregation.

**Usage**

```
style_to_hash(df_x)
```

**Arguments**

df_x	styling information incl. col_id & row_id
------	-------------------------------------------

**Value**

hashed style information as a [tibble](#)

---

wb_add_caption	<i>Adds a caption to an excel file</i>
----------------	----------------------------------------

---

**Description****[Experimental]****Usage**

```
wb_add_caption(
  wb,
  sheet,
  ft,
  offset_rows = offset_rows,
  offset_cols = offset_cols
)
```

**Arguments**

wb	an openxlsx2 workbook
sheet	an openxlsx2 workbook sheet
ft	a flextable
offset_rows	zero-based row offset
offset_cols	zero-based column offset

---

wb_add_flextable	<i>Adds a flextable to an openxlsx2 workbook sheet</i>
------------------	--------------------------------------------------------

---

## Description

**[Experimental]**

## Usage

```
wb_add_flextable(
  wb,
  sheet = openxlsx2::current_sheet(),
  ft,
  start_col = 1,
  start_row = 1,
  offset_caption_rows = 0L,
  dims = NULL
)
```

## Arguments

wb	an openxlsx2 workbook
sheet	an openxlsx2 workbook sheet
ft	a flextable
start_col	a vector specifying the starting column to write to.
start_row	a vector specifying the starting row to write to.
offset_caption_rows	number of rows to offset the caption by
dims	Spreadsheet dimensions that will determine start_col and start_row: "A1", "A1:B2", "A:B"

## Value

an openxlsx2 workbook

## Examples

```
if (requireNamespace("flextable", quietly = TRUE)) {
  # Create a flextable
  ft <- flextable::as_flextable(table(mtcars[, c("am", "cyl")]))

  # Create a workbook
  wb <- openxlsx2::wb_workbook()$add_worksheet("mtcars")

  # Add flextable to workbook
  wb <- wb_add_flextable(wb, "mtcars", ft)
```

```
# Workbook can now be saved wb$save(),  
# opened wb$open() - or removed  
rm(wb)  
}
```

---

wb\_apply\_border      *Applies the border styles*

---

## Description

**[Experimental]**

## Usage

```
wb_apply_border(wb, sheet, df_style)
```

## Arguments

wb	the <a href="#">workbook</a>
sheet	the sheet of the workbook
df_style	the styling tibble from <a href="#">ft_to_style_tibble</a>

---

wb\_apply\_cell\_styles      *Applies the cell styles*

---

## Description

**[Experimental]**

## Usage

```
wb_apply_cell_styles(wb, sheet, df_style)
```

## Arguments

wb	the <a href="#">workbook</a>
sheet	the sheet of the workbook
df_style	the styling tibble from <a href="#">ft_to_style_tibble</a>

---

wb_apply_content	<i>Applies the content</i>
------------------	----------------------------

---

**Description****[Experimental]****Usage**

```
wb_apply_content(wb, sheet, df_style)
```

**Arguments**

wb	the <a href="#">workbook</a>
sheet	the sheet of the workbook
df_style	the styling tibble from <a href="#">ft_to_style_tibble</a>

---

wb_apply_merge	<i>Merges cells</i>
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---

**Description****[Experimental]****Usage**

```
wb_apply_merge(wb, sheet, df_style)
```

**Arguments**

wb	the <a href="#">workbook</a>
sheet	the sheet of the workbook
df_style	the styling tibble from <a href="#">ft_to_style_tibble</a>

**Value**

df\_style tibble

---

wb\_apply\_text\_styles *Applies the text styles*

---

### Description

[Experimental]

### Usage

```
wb_apply_text_styles(wb, sheet, df_style)
```

### Arguments

wb	the <a href="#">workbook</a>
sheet	the sheet of the workbook
df_style	the styling tibble from <a href="#">ft_to_style_tibble</a>

---

wb\_change\_cell\_width *Changes the cell width*

---

### Description

Changes the cell width

### Usage

```
wb_change_cell_width(wb, sheet, ft, offset_cols)
```

### Arguments

wb	an openxlsx2 workbook
sheet	an openxlsx2 workbook sheet
ft	a flextable
offset_cols	zero-based column offset

---

wb\_change\_row\_height *Changes the row height*

---

**Description**

Changes the row height

**Usage**

```
wb_change_row_height(wb, sheet, df_style)
```

**Arguments**

wb	an openxlsx2 workbook
sheet	an openxlsx2 workbook sheet
df_style	the styling tibble from <a href="#">ft_to_style_tibble</a>

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